FINAL REMEDIAL ACTION REPORT

Cornell-Dubilier Electronics, Inc. Superfund Site Operable Unit 1 (OU1) – Indoor Dust Remediation Delmore Avenue and Jackson Avenue South Plainfield, Middlesex County, New Jersey

> DC No: RST3-01-F-0097 TDD No: TO-0001-0037 EPA Contract No: EP-S2-14-01

> > Prepared for:

U.S. Environmental Protection Agency Region II – Removal Action Branch 2890 Woodbridge Avenue Edison, New Jersey 08837

Prepared by:

Removal Support Team 3 Weston Solutions, Inc. East Division Edison, New Jersey 08837

TABLE OF CONTENTS

1.0 INTRODUCTION	1
2.0 SITE DESCRIPTION	1
3.0 SCOPE OF WORK	3
4.0 SITE HEALTH AND SAFETY PROGRAM	3
5.0 CHRONOLOGY OF EVENT	4
6.0 WASTE MANAGEMENT	6

LIST OF ATTACHMENTS

ATTACHMENT A: SITE MAP

ATTACHMENT B: PHOTOGRAPHIC DOCUMENTATION LOG

ATTACHMENT C: WASTE CHARACTERIZATION ANALYTICAL RESULTS

ATTACHMENT D: WASTE MANIFEST AND CERTIFICATES OF DISPOSAL

1.0 INTRODUCTION

This Remedial Action Report (RAR) describes the U.S. Environmental Protection Agency (EPA), Removal Action Branch (RAB), actions taken to clean up the polychlorinated biphenyl (PCB) contamination present in three residential properties located along Jackson Avenue and Delmore Avenue. The three properties were located in the vicinity of the former Cornell-Dubilier Electronics, Inc. (CDE) facility. The cleanup activities were performed as part of the Operable Unit 1 (OU1) Remedial Action for the Cornell-Dubilier Electronics, Inc. Superfund Site (the Site).

The OU1 remedy was selected to remove and dispose of PCB-contaminated soil and interior dust at residential, commercial, and municipal properties in the vicinity of the former CDE facility. The Remedial Action was performed in accordance with the *Record of Decision for Operable Unit One* (ROD) that was signed by EPA in September 2003 and included the following remedial components:

- Excavation of an estimated 2,100 cubic yards (yd³) of contaminated soil from approximately 16 properties, backfilling with clean fill, and property restoration as necessary;
- Transportation of contaminated soil off-site for disposal, with treatment as necessary;
- Indoor dust remediation where PCB-contaminated dust is encountered; and,
- Where necessary, temporary relocation of residents during the indoor remediation.

This RAR provides information regarding cleanup activities conducted at three residential properties between August 4 and 11, 2014. The three residential properties remediated as part of this action were located along Delmore Avenue (Property ID 129) and Jackson Avenue (Property ID 306 and Property ID 307).

2.0 SITE DESCRIPTION

The Site is located in South Plainfield, Middlesex County, New Jersey (refer to Attachment A, Site Map). CDE operated at the facility located at 333 Hamilton Boulevard from 1936 to 1962 manufacturing electronic parts and components, including capacitors. During its operation, the company dumped material contaminated with PCBs and other hazardous substances directly onto on-site soils. On April 2, 1997, the Site was referred to the EPA for Removal Action consideration by the New Jersey Department of Environmental Protection (NJDEP). The Site was added to the National Priorities List (NPL) in 1998.

The historic practices described above at the former CDE facility raised the concern that vicinity properties had the potential to be contaminated with PCBs via the airborne entrainment of contaminated particulates (*i.e.*, fugitive dust emissions) and/or transport by vehicles. Studies performed on vicinity properties indicated that contamination from the former CDE facility had migrated to nearby areas. PCBs have been detected in groundwater, soils, and in building

interiors at the industrial park; at adjacent residential, commercial, and municipal properties; and in surface water and sediments of the Bound Brook.

In order to facilitate investigation and remediation efforts, EPA separated the Site into multiple Operable Units. OU1 consists of the residential, commercial, and municipal properties in the vicinity of the former CDE facility. A ROD for OU1 was signed on September 30, 2003.

The 2003 ROD for OU1 defines a Remediation Goal (RG) for the OU1 properties of 1.0 parts per million (ppm) for total PCBs in soil. The same criterion serves as the RG for interior dust. The 1.0 ppm criterion is equal to 1.0 milligram per kilogram (mg/kg) or 1,000 micrograms per kilogram (μg/kg). The RG was developed by EPA in accordance with EPA's August 1990 guidance document entitled *Guidance on Remedial Actions for Superfund Sites with PCB Contamination (PCB Guidance)*. Based on the PCB Guidance, EPA selected an RG of 1 ppm for soil and interior dust, which corresponds to a non-cancer Hazard Index of 1 and a cancer risk of 5 x 10⁻⁶ based on residential exposure.

In November 2010, EPA completed OU1 cleanup activities by addressing interior dust at six residential properties (Property IDs 110, 111, 112, 116, 121, and 123) that tested positive for PCB contamination above the RG of 1 ppm. The remediation of the six residential properties was performed by EPA and its Emergency Rapid Response Services (ERRS) contractor.

Following the November 2010 action involving the interior cleaning of six residential properties, additional properties were identify for assessment. On July 1, 2011, interior dust sampling was performed at Property ID 306, a one story residence with a finished basement. A total of two samples were collected from the property and submitted for PCB analysis. One sample was collected from the first floor and the other was collected from the finished basement. The *Final Phase 2 OU-1 Characterization Report*, dated April 2012, indicated that the residence was observed to contain little dust and that samples included dust from the heating, ventilating, and air conditioning (HVAC) registers as well as areas around the HVAC unit in order to have sufficient volume for analysis. Both samples collected were reported as exceeding the RG of 1 ppm for total PCBs. The analytical results of the interior sampling were reported as follows;

- First Floor: CDE-OU1-ID-306-01A (21.400 ppm)
- Basement: CDE-OU1-ID-306-01B (11.100 ppm)

On July 1, 2011, interior dust sampling was performed at Property ID 307, a two story residence with an unfinished basement. A total of two samples were collected from the property and submitted for PCB analysis. One sample was collected from the first floor and the other was collected from the second floor. The first floor sample was reported as exceeding the RG for total PCBs of 1 ppm. Confirmatory sampling was also conducted on April 26, 2013 at Property ID 307. The analytical results of both sampling events were reported as follows;

- First Floor: CDE-OU1-ID-307-01A (103.000 ppm)
- Second Floor: CDE-OU1-ID-307-01B (5.200 ppm)
- First Floor Confirmation Sampling: CDE-OU1-ID-2013-307-01 (106 ppm)
- Second Floor Confirmation Sampling: CDE-OU1-ID-2013-307-02 (4.1 ppm)

On April 25, 2013, interior dust sampling was performed at Property ID 129. A total of two samples were collected from the Property and submitted for PCB analysis. One of the samples, collected from the second floor of the residence, exceeded the RG for total PCBs of 1 ppm. The analytical results of the interior samples were as follows;

• First Floor: CDE-OU1-ID-2013-129-01 (0.77 ppm)

• Second Floor: CDE-OU1-ID-2013-129-02 (1.31 ppm)

3.0 SCOPE OF WORK

The current cleanup activities at the Site focused on the remediation of three additional PCB-contaminated residential properties (Property IDs 129, 306, and 307). Previous dust sampling at Property ID 307 indicated PCB-contamination to be above 50 ppm requiring liquid and solid waste generated from the cleanup operation at that property to be managed as a Toxic Substances Control Act (TSCA) waste. Assessment sampling at Property IDs 129 and 306 reported results of PCBs as less than 50 ppm. Property IDs 129 and 307 included the cleaning of three floors with multiple bedrooms. Previous dust sampling at Property ID 306 was found to have elevated concentrations of PCBs within the residence's HVAC duct system. Based on the sampling within Property ID 306, EPA proceeded with a thorough cleaning of the HVAC system and mechanical room at that property.

The scope of work was completed with the support of EPA's Weston Solutions, Inc., Removal Support Team 3 (RST 3) and ERRS contractors. The ERRS contractor utilized a High-Efficiency Particulate Air (HEPA) vacuum and a wiping/moping procedure using a cleaning solution of Lestoil and water on all surfaces. The surfaces remediated included heating radiators, heating/cooling ducts, linoleum/tile/wood floors, walls, counter tops/table tops, shelving, and interior décor items. Larger appliances were also moved to recover dust and/or debris from beneath or behind the appliance. Permanent filters on fixed appliances and/or portable air conditioning (A/C) units were also cleaned and vacuumed using a HEPA vacuum. The RST 3 contractor supported EPA by providing oversight and video and photographic documentation of the pre- and post-cleaning conditions of the properties remediated by the ERRS contractor (refer to Attachment B, Photographic Documentation Log).

4.0 SITE HEALTH AND SAFETY PROGRAM

4.1 ERRS Response Manager

The ERRS Response Manager (RM) was directly responsible for ensuring the preparation and daily implementation of the Site-Specific Health and Safety Plan (HASP) for all ERRS personnel. The ERRS RM maintained communication with ERRS personnel concerning site-specific health and safety concerns and project status. In case of emergency, the ERRS RM took immediate action to correct any deficiencies in safety operations reported to him by on-site personnel.

4.2 ERRS/RST 3 Staff

Each ERRS and RST 3 member was responsible for adhering to all provisions of the Health and Safety Program and individual Site-Specific HASPs. In addition, contractors were expected to exercise appropriate caution with respect to their individual safety and be concerned with the safety of fellow team members. All ERRS and RST 3 contractors had the responsibility of identifying and being aware of workplace hazards, evaluating the hazards, and implementing appropriate measures to protect themselves against those hazards.

4.3 Personal Protective Equipment (PPE)

Modified Level D PPE was utilized by ERRS and RST 3 personnel during the remediation activities which consisted of the following:

- Steel toe boots:
- Latex boot covers;
- Work gloves or chemical resistant Nitrile® gloves; and,
- Coveralls (Chemical/Particulate Resistant).

5.0 CHRONOLOGY OF EVENTS

August 4, 2014 (Property ID 307)

On Monday, August 4, 2014, EPA and RST 3 conducted a walk-through of Property ID 307 to complete video and photographic documentation of the condition of the property prior to the ERRS contractor initiating remediation activities. The ERRS contractor performed a gross cleaning of the basement and second floor. RST 3 also provided photographic documentation of the ERRS remediation activities.

August 5, 2014 (Property ID 307)

On Tuesday, August 5, 2014, the ERRS contractor completed the thorough cleaning of the basement and second floor of Property ID 307. ERRS progressed to the first floor and worked their way from the rear of the house toward the breezeway (the decontamination room) HEPA vacuuming all surfaces, countertops, and baseboard heaters following up with a thorough wiping using a water and Lestoil solution. At the direction of the real estate agent and EPA, all abandoned items and kitchen appliances were disposed of, including window blinds and curtains left behind by the former property owner and/or tenants. RST 3 provided photographic documentation of the ERRS remediation activities, items to be disposed of, and the remediated property. RST 3 also completed video documentation of the property after it had been remediated.

August 6, 2014 (Property ID 129)

On Wednesday, August 6, 2014, EPA and RST 3 conducted a walk-through of Property ID 129 to complete video and photographic documentation of the condition of the property prior to the ERRS contractor initiating remediation activities. The ERRS contractor HEPA vacuumed all surfaces and wiped all items with a water and Lestoil solution and completed the remediation of the basement. The homeowner declined temporary relocation assistance and was present throughout the remediation activities.

August 7, 2014 (Property ID 129)

On Thursday, August 7, 2014, RST 3 continued to document ERRS remediation efforts at Property ID 129. Due to the lack of space, ERRS divided into two groups with one crew remediating the second floor while the other focused on the first floor office. The ERRS crews shifted items into adjacent uncleaned rooms to be vacuumed and wiped. Care was taken to place all items back into their respective places. All surfaces on the second floor were vacuumed, wiped, and carpet shampooed. The office and back bedroom were both vacuumed and all items were wiped.

August 8, 2014 (Property ID 129)

On Friday, August 8, 2014, the ERRS contractor progressed to vacuuming and shampooing the stairway, downstairs bedroom, and living room carpets at Property ID 129. ERRS paid close attention to ensure all baseboard heaters and vents were thoroughly cleaned. The kitchen was cleaned last as ERRS exited the residence. EPA and RST 3 conducted a final walk through of the remediated residence to complete photographic and video and documentation of the property after it had been remediated.

August 11, 2014 (Property ID 306)

Based on the results of assessment sampling, EPA RAB was requested to clean the HVAC system at Property ID 306. ERRS subcontracted with a professional/commercial HVAC system cleaning contractor which utilized a high-powered HEPA collection system to recover dust from the ducts of the HVAC system. Each duct was isolated while the subcontractor implemented a push-pull system to loosen and collect dust from the duct at the HEPA collection unit. Mechanical whips with high pressure air hoses were inserted into the isolated duct. A high-powered HEPA unit was tied into the isolated duct at the HVAC air handling unit where it also pulled dislodged dust to the HEPA unit for collection. Following the duct cleaning operation, ERRS completed the cleaning by wet wiping, with Lestoil and water solution, all supply/return registers as well as the mechanical room which housed the HVAC air handling unit and furnace.

6.0 WASTE MANAGEMENT

Wastewater and solid waste generated from ERRS remediation activities were collected and segregated for sample collection and waste characterization based on the assessment sampling data. All waste generated from Property ID 307 was managed as a TSCA waste stream due to the assessment sampling results exceeding 50 ppm for total PCBs. Wastewater generated from Property IDs 129 and 306 was segregated and managed as a non-TSCA waste pending analysis. Wastewater generated from the remediation of Property IDs 129/306 and Property ID 307 was collected into two separate 55-gallon liquid containers. ERRS submitted samples from each container to York Analytical Laboratories for PCB analysis. The analytical results for the sample collected from the Property ID 129/306 wastewater indicated a concentration of 1.37 micrograms per liter (μ g/L) for total PCBs. The analytical results for the sample collected from the Property ID 307 wastewater did not indicate PCBs at concentrations above the method detection limit (MDL).

All solid wastes, including used HEPA filters, recovered dust, cleaning rags, and gloves were consolidated into one 55-gallon drum and managed as a TSCA waste stream. The solid waste was sampled and submitted to York Analytical Laboratories for PCB analysis. The analytical results for the solid waste were reported at 4.79 mg/kg for total PCBs.

Refer to Attachment C for the waste characterization analytical results. Refer to Attachment D for waste manifest and certificates of disposal.

Report Prepared By: Date: 3/25/5

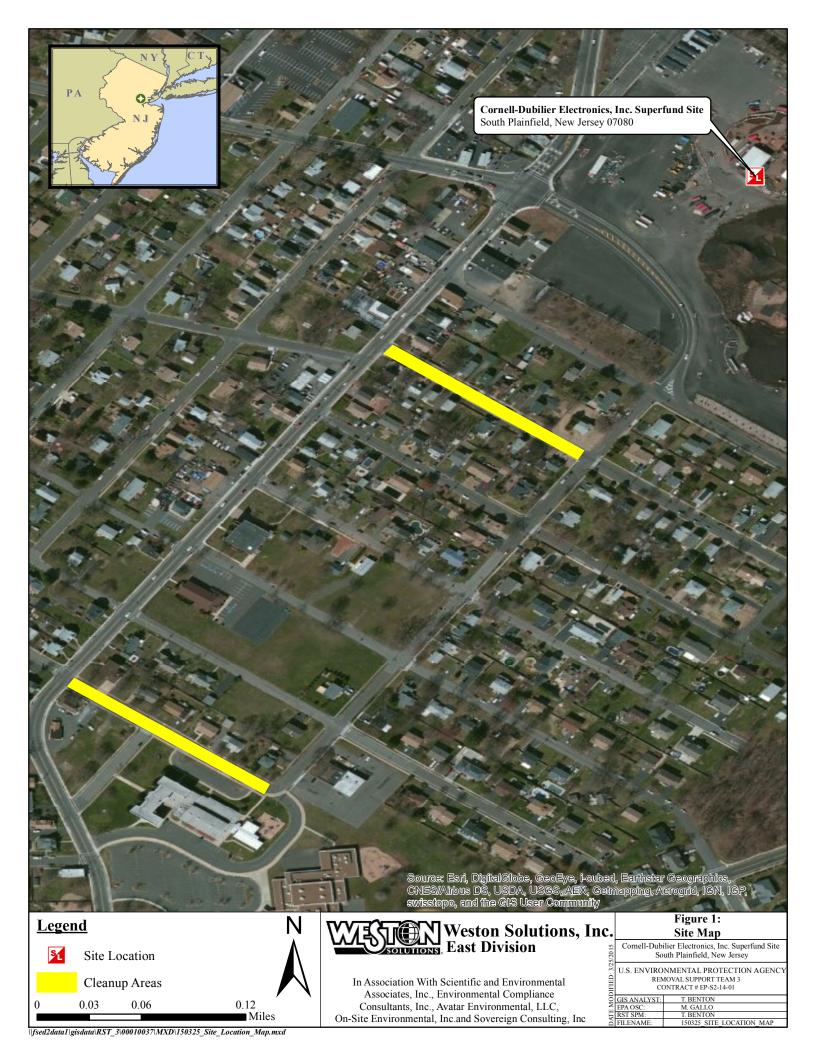
Timothy Benton, CHMM Site Project Manager, RST 3

Report Reviewed By: Date: 3/25/15

Timothy Benton, CHMM Operations Leader, RST 3

ATTACHMENT A

SITE MAP



ATTACHMENT B

PHOTOGRAPHIC DOCUMENTATION LOG



Photograph 1: Left photograph taken on August 4, 2014 prior to ERRS intiating the remediation of Property ID 307. The right photograph is post-cleaning taken on August 5, 2014. Heating baseboards were thoroughly washed and dusted. The closet items and window blinds were disposed of.



Photograph 2: Left photograph is a bedroom in Property ID 307 prior to cleaning. Photograph on the right is post-cleaning. The matteress and items in closet were disposed of and baseboard vents were thoroughly cleaned.



Photograph 3: Left photograph was taken facing the north and the right photograph was taken facing the south within the basement of Property ID 307. Both photographs were taken on August 4, 2014, prior to cleaning.



Photograph 4: Photographs of the ERRS completed cleaning of the basement within Property ID 307 on August 5, 2014. Ceiling, walls, floor, and applainces were HEPA vacuumed and wiped with Lestoil and water.



Photograph 5: Stair carpeting was removed and disposed of at Property ID 307.



Photograph 6: Left photograph is the pre-cleaned kitchen of Property ID 307 photographed on August 4, 2014. Right photograph is the remediated kitchen.



Photograph 7: ERRS removed and disposed of furniture, paints and items in second floor closet of Property ID 307 and vacuumed and washed the ceiling, walls, vents and floor.



Photograph 8: Photograph taken on August 5, 2014 of the post-cleaned sencond floor of Property ID 307.



Photograph 9: Photograph taken on August 6, 2014 prior to cleaning of Property ID 129. ERRS HEPA vacuumed and wiped the basement ceiling, walls, floor, and items with Lestoil and water.



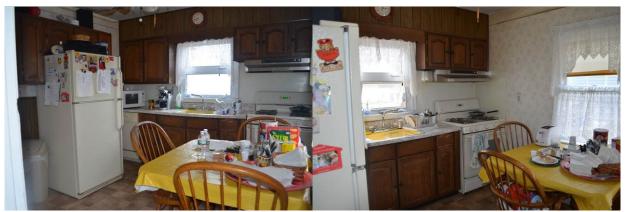
Photograph 10: ERRS performing cleaning activities in the basement of Property ID 129. Each item was wiped and neatly placed back into its respective spot after cleaning.



Photograph 11: Left photograph taken on August 6, 2014 before cleaning of the bedroom at Property ID 129 and right photograph after cleaning on August 8, 2014.



Photograph 12: Left photograph taken on August 6, 2014 before cleaning and right photograph taken on August 8, 2014 after cleaning at Property ID 129.



Photograph 13: Left photograph taken prior to cleaning and right photograph after the kitchen was cleaned by the ERRS contractor at Property ID 129. Photographed on August 6 and 8, 2014, respectively.



Photograph 14: During cleaning activities, ERRS used the bedroom above as a staging area for office items. All items were cleaned and placed back in their place. Bedroom of Property ID 129 and rug were cleaned and shampooed on August 8, 2014.

ATTACHMENT C

WASTE CHARACTERIZATION ANALYTICAL RESULTS



Technical Report

prepared for:

Environmental Restoration

110 Granby Street Bloomfield CT, 06002

Attention: Blake MacKinney

Report Date: 08/20/2014

Client Project ID: CD2-84

York Project (SDG) No.: 14H0603

CT Cert. No. PH-0723

New Jersey Cert. No. CT-005



New York Cert. No. 10854

PA Cert. No. 68-04440

120 RESEARCH DRIVE STRATFORD, CT 06615 (203) 325-1371 FAX (203) 357-0166

Page 1 of 7

Report Date: 08/20/2014 Client Project ID: CD2-84 York Project (SDG) No.: 14H0603

Environmental Restoration

110 Granby Street
Bloomfield CT, 06002

Attention: Blake MacKinney

Purpose and Results

This report contains the analytical data for the sample(s) identified on the attached chain-of-custody received in our laboratory on August 13, 2014 and listed below. The project was identified as your project: **CD2-84**.

The analyses were conducted utilizing appropriate EPA, Standard Methods, and ASTM methods as detailed in the data summary tables.

All samples were received in proper condition meeting the customary acceptance requirements for environmental samples except those indicated under the Notes section of this report.

All analyses met the method and laboratory standard operating procedure requirements except as indicated by any data flags, the meaning of which are explained in the attachment to this report, and case narrative if applicable.

The results of the analyses, which are all reported on dry weight basis (soils) unless otherwise noted, are detailed in the following pages.

Please contact Client Services at 203.325.1371 with any questions regarding this report.

York Sample ID	Client Sample ID	<u>Matrix</u>	Date Collected	Date Received
14H0603-01	Jackson 1	Water	08/11/2014	08/13/2014
14Н0603-02	Jackson 2	Soil	08/11/2014	08/13/2014
14Н0603-03	Delmour 3	Water	08/11/2014	08/13/2014

General Notes for York Project (SDG) No.: 14H0603

- 1. The RLs and MDLs (Reporting Limit and Method Detection Limit respectively) reported are adjusted for any dilution necessary due to the levels of target and/or non-target analytes and matrix interference. The RL(REPORTING LIMIT) is based upon the lowest standard utilized for the calibration where applicable.
- 2. Samples are retained for a period of thirty days after submittal of report, unless other arrangements are made.
- 3. York's liability for the above data is limited to the dollar value paid to York for the referenced project.
- This report shall not be reproduced without the written approval of York Analytical Laboratories, Inc.
 All samples were received in proper condition for analysis with proper documentation, unless otherwise noted.
- 6. All analyses conducted met method or Laboratory SOP requirements. See the Qualifiers and/or Narrative sections for further information.
- 7. It is noted that no analyses reported herein were subcontracted to another laboratory, unless noted in the report.
- 8. This report reflects results that relate only to the samples submitted on the attached chain-of-custody form(s) received by York.

Approved By:

Benjamin Gulizia Laboratory Director



Date:

08/20/2014



Sample Information

Client Sample ID: Jackson 1 York Sample ID: 14H0603-01

York Project (SDG) No.Client Project IDMatrixCollection Date/TimeDate Received14H0603CD2-84WaterAugust 11, 2014 10:20 am08/13/2014

Polychlorinated Biphenyls (PCB)

Log-in Notes:

Sample Notes: EXT-EM

Sample Prepared by Method: EPA SW846-3510C Low Level

CAS N	o. Parameter	Result	Flag	Units	LOD/MDL	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
12674-11-2	Aroclor 1016	ND		ug/L	0.0556	0.0556	1	EPA 8082A	08/15/2014 05:16	08/18/2014 15:03	AMC
11104-28-2	Aroclor 1221	ND		ug/L	0.0556	0.0556	1	EPA 8082A	08/15/2014 05:16	08/18/2014 15:03	AMC
11141-16-5	Aroclor 1232	ND		ug/L	0.0556	0.0556	1	EPA 8082A	08/15/2014 05:16	08/18/2014 15:03	AMC
53469-21-9	Aroclor 1242	ND		ug/L	0.0556	0.0556	1	EPA 8082A	08/15/2014 05:16	08/18/2014 15:03	AMC
12672-29-6	Aroclor 1248	ND		ug/L	0.0556	0.0556	1	EPA 8082A	08/15/2014 05:16	08/18/2014 15:03	AMC
11097-69-1	Aroclor 1254	ND		ug/L	0.0556	0.0556	1	EPA 8082A	08/15/2014 05:16	08/18/2014 15:03	AMC
11096-82-5	Aroclor 1260	ND		ug/L	0.0556	0.0556	1	EPA 8082A	08/15/2014 05:16	08/18/2014 15:03	AMC
1336-36-3	* Total PCBs	ND		ug/L	0.0556	0.0556	1	EPA 8082A	08/15/2014 05:16	08/18/2014 15:03	AMC
	Surrogate Recoveries	Result		Acce	eptance Ran	ge					
877-09-8	Surrogate: Tetrachloro-m-xylene	4.50 %	S-04		30-120						
2051-24-3	Surrogate: Decachlorobiphenyl	%	S-04		30-120						

Sample Information

Client Sample ID: Jackson 2 York Sample ID: 14H0603-02

York Project (SDG) No.Client Project IDMatrixCollection Date/TimeDate Received14H0603CD2-84SoilAugust 11, 2014 10:25 am08/13/2014

Polychlorinated Biphenyls (PCB)

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No	o. Parameter	Result	Flag U	Jnits	LOD/MDL	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
12674-11-2	Aroclor 1016	ND	m	ng/kg dry	0.175	0.175	10	EPA 8082A	08/18/2014 19:00	08/19/2014 18:58	AMC
11104-28-2	Aroclor 1221	ND	m	ng/kg dry	0.175	0.175	10	EPA 8082A	08/18/2014 19:00	08/19/2014 18:58	AMC
11141-16-5	Aroclor 1232	ND	m	ng/kg dry	0.175	0.175	10	EPA 8082A	08/18/2014 19:00	08/19/2014 18:58	AMC
53469-21-9	Aroclor 1242	ND	m	ng/kg dry	0.175	0.175	10	EPA 8082A	08/18/2014 19:00	08/19/2014 18:58	AMC
12672-29-6	Aroclor 1248	ND	m	ng/kg dry	0.175	0.175	10	EPA 8082A	08/18/2014 19:00	08/19/2014 18:58	AMC
11097-69-1	Aroclor 1254	2.06	mį	g/kg dry	0.175	0.175	10	EPA 8082A	08/18/2014 19:00	08/19/2014 18:58	AMC
11096-82-5	Aroclor 1260	2.73	mį	g/kg dry	0.175	0.175	10	EPA 8082A	08/18/2014 19:00	08/19/2014 18:58	AMC
1336-36-3	* Total PCBs	4.79	mį	g/kg dry	0.175	0.175	10	EPA 8082A	08/18/2014 19:00	08/19/2014 18:58	AMC
	Surrogate Recoveries	Result	Acceptance Range								
877-09-8	Surrogate: Tetrachloro-m-xylene	80.0 %			30-140						
2051-24-3	Surrogate: Decachlorobiphenyl	380 %	GC-Sur		30-140						

Total Solids <u>Log-in Notes:</u> <u>Sample Notes:</u>

120 RESEARCH DRIVE STRATFORD, CT 06615 (203) 325-1371 FAX (203) 35<mark>7-0166</mark>

Page 3 of 7



Sample Information

Client Sample ID: Jackson 2 York Sample ID: 14H0603-02

York Project (SDG) No.Client Project IDMatrixCollection Date/TimeDate Received14H0603CD2-84SoilAugust 11, 2014 10:25 am08/13/2014

Sample Prepared by Method: % Solids Prep

							Reported to			Date/Time	Date/Time	
CA	AS No.	Parameter	Result	Flag	Units	LOD/MDL	LOQ	Dilution	Reference Method	Prepared	Analyzed	Analyst
solids	* % Solids		95.2		%	0.100	0.100	1	SM 2540G	08/19/2014 11:25	08/19/2014 13:05	KK

Sample Information

Client Sample ID: Delmour 3 York Sample ID: 14H0603-03

York Project (SDG) No.Client Project IDMatrixCollection Date/TimeDate Received14H0603CD2-84WaterAugust 11, 2014 10:20 am08/13/2014

Polychlorinated Biphenyls (PCB)

Sample Prepared by Method: EPA SW846-3510C Low Level

<u>Log-in Notes:</u> <u>Sample Notes:</u> EXT-D, EXT-EM

CAS No	o. Parameter	Result	Flag	Units	LOD/MDL	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
12674-11-2	Aroclor 1016	ND		ug/L	0.0556	0.0556	1	EPA 8082A	08/15/2014 05:16	08/18/2014 15:23	AMC
11104-28-2	Aroclor 1221	ND		ug/L	0.0556	0.0556	1	EPA 8082A	08/15/2014 05:16	08/18/2014 15:23	AMC
11141-16-5	Aroclor 1232	ND		ug/L	0.0556	0.0556	1	EPA 8082A	08/15/2014 05:16	08/18/2014 15:23	AMC
53469-21-9	Aroclor 1242	ND		ug/L	0.0556	0.0556	1	EPA 8082A	08/15/2014 05:16	08/18/2014 15:23	AMC
12672-29-6	Aroclor 1248	ND		ug/L	0.0556	0.0556	1	EPA 8082A	08/15/2014 05:16	08/18/2014 15:23	AMC
11097-69-1	Aroclor 1254	1.37		ug/L	0.0556	0.0556	1	EPA 8082A	08/15/2014 05:16	08/18/2014 15:23	AMC
11096-82-5	Aroclor 1260	ND		ug/L	0.0556	0.0556	1	EPA 8082A	08/15/2014 05:16	08/18/2014 15:23	AMC
1336-36-3	* Total PCBs	1.37		ug/L	0.0556	0.0556	1	EPA 8082A	08/15/2014 05:16	08/18/2014 15:23	AMC
	Surrogate Recoveries	Result		Acc	eptance Ran	ge					
877-09-8	Surrogate: Tetrachloro-m-xylene	30.5 %			30-120						
2051-24-3	Surrogate: Decachlorobiphenyl	42.0 %			30-120						

120 RESEARCH DRIVE STRATFORD, CT 06615 (203) 325-1371 FAX (203) 35<u>7-0166</u>

Page 4 of 7



120 RESEARCH DRIVE STRATFORD, CT 06615 (203) 325-1371 FAX (203) 35<u>7-0166</u>



Notes and Definitions

	Tives and Definitions
S-04	The surrogate recovery for this sample is outside of established control limits due to a sample matrix effect.
GC-Surr	Surrogate recovery outside of control limits. The data was accepted based on valid recovery of the alternate surrogate.
EXT-EM	The sample exhibited emulsion formation during the extraction process. This may affect surrogate recoveries.
EXT-D	The sample submitted contained sediment. The aqueous portion was decanted off, the volume measured and used for the extraction. The sediment was not included in the extraction.
*	Analyte is not certified or the state of the samples origination does not offer certification for the Analyte.
ND	NOT DETECTED - the analyte is not detected at the Reported to level (LOQ/RL or LOD/MDL)
RL	REPORTING LIMIT - the minimum reportable value based upon the lowest point in the analyte calibration curve.
LOQ	LIMIT OF QUANTITATION - the minimum concentration of a target analyte that can be reported within a specified degree of confidence. This is the lowest point in an analyte calibration curve that has been subjected to all steps of the processing/analysis and verified to meet defined criteria. This is based upon NELAC 2009 Standards and applies to all analyses.
LOD	LIMIT OF DETECTION - a verified estimate of the minimum concentration of a substance in a given matrix that an analytical process can reliably detect. This is based upon NELAC 2009 Standards and applies to all analyses conducted under the auspices of EPA SW-846.
MDL	METHOD DETECTION LIMIT - a statistically derived estimate of the minimum amount of a substance an analytical system can reliably detect with a 99% confidence that the concentration of the substance is greater than zero. This is based upon 40 CFR Part 136 Appendix B and applies only to EPA 600 and 200 series methods.
Reported to	This indicates that the data for a particular analysis is reported to either the LOD/MDL, or the LOQ/RL. In cases where the "Reported to" is located above the LOD/MDL, any value between this and the LOQ represents an estimated value which is "J" flagged accordingly. This applies to volatile and semi-volatile target compounds only.
NR	Not reported
RPD	Relative Percent Difference
Wet	The data has been reported on an as-received (wet weight) basis
Low Bias	Low Bias flag indicates that the recovery of the flagged analyte is below the laboratory or regulatory lower control limit. The data user should take note that this analyte may be biased low but should evaluate multiple lines of evidence including the LCS and site-specific MS/MSD data to draw bias conclusions. In cases where no site-specific MS/MSD was requested, only the LCS data can be used to evaluate such bias.
High Bias	High Bias flag indicates that the recovery of the flagged analyte is above the laboratory or regulatory upper control limit. The data user should take note that this analyte may be biased high but should evaluate multiple lines of evidence including the LCS and site-specific MS/MSD data to draw bias conclusions. In cases where no site-specific MS/MSD was requested, only the LCS data can be used to evaluate such bias.
Non-Dir.	Non-dir. flag (Non-Directional Bias) indicates that the Relative Percent Difference (RPD) (a measure of precision) among the MS and MSD data is outside the laboratory or regulatory control limit. This alerts the data user where the MS and MSD are from site-specific samples that the RPD is high due to either non-homogeneous distribution of target analyte between the MS/MSD or indicates poor reproducibility for other reasons.

If EPA SW-846 method 8270 is included herein it is noted that the target compound N-nitrosodiphenylamine (NDPA) decomposes in the gas chromatographic inlet and cannot be separated from diphenylamine (DPA). These results could actually represent 100% DPA, 100% NDPA or some combination of the two. For this reason, York reports the combined result for n-nitrosodiphenylamine and diphenylamine for either of these compounds as a combined concentration as Diphenylamine.

If Total PCBs are detected and the target aroclors reported are "Not detected", the Total PCB value is reported due to the presence of either or both Aroclors 1262 and 1268 which are non-target aroclors for some regulatory lists.

2-chloroethylvinyl ether readily breaks down under acidic conditions. Samples that are acid preserved, including standards will exhibit breakdown. The data user should take note.

Certification for pH is no longer offered by NYDOH ELAP.

Semi-Volatile and Volatile analyses are reported down to the LOD/MDL, with values between the LOD/MDL and the LOQ being "J" flagged as estimated results.

120 RESEARCH DRIVE STRATFORD, CT 06615 (203) 325-1371 FAX (203) 35<u>7-0166</u>

		Alternate	billing inform	ation:				A		10			
ENVIR REST	RONMENTAL ORATIONILC							Analysis/C	ontainer/P	reservat	tive	Chain o	f Custody
1	1666 Fabick Drive Fenton, MO 63026 (636) 227-7477	3										Prepared by:	73
Project (5	Fax (636) 227-6447	Report to Email to:	Amy	Rig	gett/Bla	Ke Macking	ay elk.com					19400	05
Phone: \$60 -778-9207 Fax: Collected by:	Client: USEPA (Site/Facility ID#:			Project Nam	1 10 1	10,1	1615					a	
Collected by (signature):		GT Be Notifie Same Day Next Day	d) y	Date Results	No VYes	No.	1 to 1					CoCode Template/Prelogin	(lab use only
Packed on Ice N Sample ID Tackson 1	Comp/Grab	Two Day Matrix*	Depth	Fax?	NoYes Time		,/	-				Shipped Via:	
Jackson 2 Delmour 3	Grab	35 WW	NA NA	8-11-19	1025	2	1					Remarks/Containment Sar 2, 1 liter Amber 1,802 Char	mple # (lab only)
	0.07	00.10		8 11 (14)	1020	<u> </u>	Y					2,1 liter Amber	
										+		-	
													-1
*Matrix SS - Soil/Solid Remarks:	GW - Groundwater		WW - WasteV	Vater	DW - Drinking Wat	er OT - Ot	ner				рН	Temp	
Relinquished by: (Signature)	9-13-14	Time: 0815	Received by:	(Signature)			Samp	iles returned v	ia:		Flow	Other	
elinquished by: (Signature)	Date:	Time:	received by:	(Signature)	8/13/14 8	3:15		Fed Ex		urier		UPS Condition (lab use	only)
Relinquished by: (Signature)	Date:	Time:		ab by: (Signatur	110111		Temp:			Bottle	s Receiv	/pd·	

ATTACHMENT D

WASTE MANIFEST AND CERTIFICATES OF DISPOSAL

A INMERINISTRATE		Sto (12-pitch) typeunkir.)				4	rgr	to Approved	. UMB NO	- moior
	L Generates 10 No.		2. Page 1 of	. Emergency Respon	nee Phone	01		012	0 1	IV
WASTE MANIPEST	NJRAGO	240026	إللل	(908) 3	54-021	01	<u> </u>	OTC	U U	<u> IV</u>
		EPA Region 2/Corn	ell Dub!							
2890 Woodbrid	•	8		333 HAMI	LIUN BI	LVD				
11		971	1	SOUTH PL	ATMETE	1 6 N.T 97	200			
Generatore Phone: (7.) 8. Transporter 1 Company Mar	me	464		<u> </u>		UXEAU	Humber			
CLEAN VENTURE	INC.					NJOE	100027	7193		
7. Transporter 2 Company Har	710					CON BAND	Hember	:		
	ad Black days					110 2018	10 - L		4	
		Cycle Chem Inc.	•			U.S. EFAID	MUTTIDET			
217 South Fir Elizabeth, No		τ.								
Feelby's Floric (908)		0				LNJDE	902200	1844		
D. U.S. DOT Decode	fon Ondoone Proces	r Shipping Hizmo, Hazard Class, (D Humbe	K.	10. Cor	Calhers	11. Total	12. Uni			
104 and Peoling Group (f				No	Тура	Quartity	WANL		Whith Cod	
X 1003432 POL		ATED BIPHENYLS, 80	LID 9 P	G .			1		I	
E III ERGH	171	•		1 1	IM	35	K			
111 ERG# 1	YOU ODTE	ATED BIPHENYLS, LI	MILYN P	90	 		+>	 		
II ERGH 17		nise estucuito, Li	MOID A		MA	IO				<u> </u>
11 1 3 3 3 3 3 3	•			1	المطأ	150	K			1
Non-DOT	Non-RCRA						1 -	1072		1
				1	NC	55	6		 -	├
<u> </u>					19	40				
				j	i	i	Ì	I	1	l
{{ }				1						
14. Special Handling Instruction	no and Additional Ink	ormation 97.1108/964257	71271007	314704 (1 veram	-1 HREE	UEDA	F 71 71	ng Ki	RT
AND RAGS-TSC	REG. (ia	ckson 2) (2)PCBM44	- A WASH 1	HATER PCR	TRCA F	RFG_(1ac	kann	11. (3)	PCB4	.7
wash water (NO	N TSCA W	ASTE) (delmour 1)	- WHOIL	anien iob	10011			2,,,,,	,, ,,	•
								_		
IL FOUT OF	Scryice	2 Dayle: 9-23-	14 2	- OUT OF	servi	ce Da	le: 9	<u> </u>	14.	
18. GENERATON MOTTER	OR'S CERTIFICATIO	38: I bestoy decizes that the conferm of the	14 2 Mandamier	Advant appointer	described above	a lay the proper of	inche com	a, and on the	saffed cod	nged,
18. GENERATOR NOTFER marked and labeled place Executes, it could not the	OR'S CENTURCATION would, and are to all a contacts of this cons	CR: I herstly decize that the contents of the respects in proper condition for transpert a document conform to the terms of the affect	No consignment en coording to applicate that EDA Advanced	fully and eccurately of international and in present of Connects.	decarbed above patricial governa	n by the proper of mercul regulations	inche com	a, and on the	saffed cod	nged, nry
18. GENERATOR BIOTYER marked and labeledyles Experies, I couldy that the I couldy that the	oers CilitiavacA(1) orded, and are in all a contants of this cons obstanton statement	Hit I haveby decizing that the contents of the respects in proper condition for the model as	No consignment en coording to applicate that EDA Advanced	fully and eccurately of international and in present of Connects.	decarbed above patricial governa	n by the proper of mercul regulations	inche com	a, and on the	saffed cod	aged, ary
18. GENERATON MOTTER marked and labeled has Experted, I certly that the locality that the weath and Generator College's Publicati MAP	oere cabitercation aroud, and are to all a contacts of the cons distantion statement good fillers	Hit: I havely decize that the contents of the respect in proper condition for thempest a degree of content to the tenne of the offset indeedfood in 40 CFR 202.27(1) (21 am a la	No consignment en coording to applicate that EDA Advanced	fully and eccurately of international and in present of Connects.	decarbed above patricial governa	n by the proper of mercul regulations	inche com	a, and on the	salited, pack cre the Pitin th Day	The The
18. GENERATON MOTTER marked and labeled has Experted, I certly that the locality that the weath and Generator College's Publicati MAP	otre CENTERCATIO arbid, and are in all a protection of the core interface interests (pod Hinne CSALLI	Hit: I havely decize that the contents of the propert of the propert condition for the impact a signment conform to the terms of the ethal identified in 40 CFR 202.27(t) (I'll em a la condition).	to consignment or coording to applicate had EPA Administration ingo quantity general Signal	is lifty and ecountisty of the international and in ignaria of Consent. For or (2) (If i am is to	decarbed store calcural governa mell quartity go	n by the proper of mercul regulations	inche com	a, and on the	saffed cod	The The
18. GENERATOR SIGNATURE resched and labeled/place Experies, I carefy that the leastly that the weath of Generalize Collection S. Filded Fr. 18. International Onlyments Transporter algorithms for expe	oore contentation of the content of	Till: I havely decize that the contents of the respects in proper condition for the report a dynamic conform to the terms of the other intention in 40 CFR 202.27(1) (I'll am a la D. L.G.	No consignment en coording to applicate that EDA Advanced	May and ecountiely of the international and in ignated of Compania. And or (2) ((f) and is to be a second or	decarbed above patricial governa	n by the proper of mercul regulations	inche com	a, and on the	salited, pack cre the Pitin th Day	The The
18. GENERATON NOTES maked and labeled place Experies, I certify that he least not certify that he western Generator College's Philade MARY 18. International Objection in Transporter Advantage for any 17. Transporter Advandadgment	ore circumscation of the contact of	Till: I havely decize that the contents of the respects in proper condition for the report a dynamic conform to the terms of the other intention in 40 CFR 202.27(1) (I'll am a la D. L.G.	his configurated concording to applicate had EPA Advantage from Egyptic Epper Experit from U.S.	Lifty and ecountisty of the interestional and in grantin of Consent. And or (2) (If I am a to Lift) Port of Data later	decarbed short calcural governa meli quartity go grapitatit	n by the proper of mercul regulations	inche com	a, and on the	salited, pack cre the Pitin th Day	The The
18. GENERATON MOTTER maked and labeled place Experte, I certly that the locally that the weath of Generator College's Philadel MARIA 18. International Shipments Thresporter Advandadgment 17. Transporter Advandadgment	oere cizerrenation orbit, and are to all a contacts of the contacts of the contact of the contac	Till: I havely decize that the contents of the proper condition for thempet a degree of contents of the same of the affect independent out the same of the affect independent of the affect independent of CFR 252.27(t) (21 am a few out.)	his configurant en coording to applicat hard EPA Advisoration large quartity general Export from U.S.	May and ecountiely of the international and in ignated of Compania. And or (2) ((f) and is to be a second or	decarbed short calcural governa meli quartity go grapitatit	n by the proper of mercul regulations	inche com	a, and on the	salited, pack cre the Pitin th Day	The The
18. GENERATON MOTTER maked and labeled place Experte, I certly that the locally that the weath of Generator College's Philadel MARIA 18. International Shipments Thresporter Advandadgment 17. Transporter Advandadgment	oere cizerrenation orbit, and are to all a contacts of the contacts of the contact of the contac	Till: I havely decize that the contents of the respects in proper condition for the report a dynamic conform to the terms of the other intention in 40 CFR 202.27(1) (I'll am a la D. L.G.	his configurated concerning to applicate had EPA Administration to applicate had EPA Administration to applicate had EPA Administration to applicate the application to applicate the application to applicate the application to appli	Addy and ecourthly of a lother storal and in greate of Occasion. Sony or (6) (67) and a second at the control of the control o	decarbed short calcural governa meli quartity go grapitatit	n by the proper of mercul regulations	inche com	a, and on the	salited, pack cre the Pitin th Day	The The
18. GENERATON MOTTER maked and labeled place Experte, I certly that the locally that the weath of Generator College's Philadel MARIA 18. International Shipments Thresporter Advandadgment 17. Transporter Advandadgment	oere cizerrenation orbit, and are to all a contacts of the contacts of the contact of the contac	Till: I havely decize that the contents of the proper condition for thempet a degree of contents of the same of the affect independent out the same of the affect independent of the affect independent of CFR 252.27(t) (21 am a few out.)	his configurant en coording to applicat hard EPA Advisoration large quartity general Export from U.S.	Addy and ecourthly of a lother storal and in greate of Occasion. Sony or (6) (67) and a second at the control of the control o	decarbed short calcural governa meli quartity go grapitatit	n by the proper of mercul regulations	inche com	a, and on the	salited, pack cre the Pitin th Day	The The
18. GENERATON MOTTER maked and biolectories Exporter, I certify that the I certify that the least and Generatoric Colleges Printed The pooling Supportune for export Transporter Advandading and Transporter Advandading and Transporter E Printed Typed No.	oere cizerrenation orbit, and are to all a contacts of the con	Till: I havely decize that the contents of the proper condition for thempet a degree of contents of the same of the affect independent out the same of the affect independent of the affect independent of CFR 252.27(t) (21 am a few out.)	his configurated concerning to applicate had EPA Administration to applicate had EPA Administration to applicate had EPA Administration to applicate the application to applicate the application to applicate the application to appli	Addy and ecourthly of a lother storal and in greate of Occasion. Sony or (6) (67) and a second at the control of the control o	decarbed short calcural governa meli quartity go grapitatit	n by the proper of mercul regulations	inche com	a, and on the	salited, pack cre the Pitin th Day	The The
18. GENERATON MOTTER marked and biodelytes Exporter, I certify the the I certify that the useste and Generator Wilder's Printed of MARY 18. International disponents Transporter algorithms for exporter and printed of Transporter and Printed Typed No. Transporter at Printed Typed No. Transporter a	oere cienteración order	Hit I havely declare that the contents of the proper condition for thempert a degree of contents of the proper condition for thempert a degree of contents of the declare of the office indeedlood in 40 GPR 202.27(t) (I'll arms in the condition of the condition o	his configurated concerning to applicate had EPA Administration to applicate had EPA Administration to applicate had EPA Administration to applicate the application to applicate the application to applicate the application to appli	Lifty and ecountility of a tribunctional and in grant of Occasion. Not or (b) (if i am a tribunction in the control of the con	decarbed short calcural governa meli quartity go grapitatit	n by the proper of medial regulations mention) in true.	typing carrier	a, and on the spends and i	subset pad an on Prin	114
18. GENERATON MOTTER maked and biolectories Exporter, I certify that the I certify that the least and Generatoric Colleges Printed The pooling Supportune for export Transporter Advandading and Transporter Advandading and Transporter E Printed Typed No.	oere cienteraciono artici, and are in ale archante of the con indication intracere indication intracere indication intracere indication intracere indication intracere indication interes inte	Hit I havely declare that the contents of the proper condition for themped a ground condition for themped a ground condition to the faces of the office indeed to do GPR 202.27(t) (21 am a few of the condition in do GPR 202.27(t) (21 am a few office).	his configurated concerning to applicate had EPA Administration to applicate had EPA Administration to applicate had EPA Administration to applicate the application to applicate the application to applicate the application to appli	Addy and ecourthly of a lother storal and in greate of Occasion. Sony or (6) (67) and a second at the control of the control o	decarbed short calcural governa meli quartity go grapitatit	n by the proper of mercul regulations	typing carrier	a, and on the spends and i	salited, pack cre the Pitin th Day	114
18. GENERATON MOTTER marked and biodelytese Experter, I certify that the learthy that the weath and Generatoric Windows Pictalsoft MARY 18. International dislamants Transporter algorithm (for experter) 17. Transporter Advancingment Transporter at Private (for experter) Transporter at Private (for experter) 18. Observancy 18. Observan	oere cientercatrio arbei and are in all a contente of the con indication interacer indication interacer in arbeit pod filiam in arbeit	Hit I havely declare that the contents of the proper condition for thempert a degree of contents of the proper condition for thempert a degree of contents of the declare of the office indeedlood in 40 GPR 202.27(t) (I'll arms in the condition of the condition o	his configurated concerning to applicate had EPA Administration to applicate had EPA Administration to applicate had EPA Administration to applicate the application to applicate the application to applicate the application to appli	Lifty and ecountility of a tribunctional and in grant of Occasion. Not or (b) (if i am a tribunction in the control of the con	described show calcurate government of the state of the s	a by the proper of medial regulations in true.	lipping name. If export st	a, and on the spends and i	subset pad an on Prin	114
18. GENERATON MOTTER marked and biodelytese Experter, I certify that the learthy that the weath and Generatoric Windows Pictalsoft MARY 18. International dislamants Transporter algorithm (for experter) 17. Transporter Advancingment Transporter at Private (for experter) Transporter at Private (for experter) 18. Observancy 18. Observan	oere cientercatrio arbei and are in all a contente of the con indication interacer indication interacer in arbeit pod filiam in arbeit	Hit I havely declare that the contents of the proper condition for thempert a degree of contents of the proper condition for thempert a degree of contents of the declare of the office indeedlood in 40 GPR 202.27(t) (I'll arms in the condition of the condition o	his configurated concerning to applicate had EPA Administration to applicate had EPA Administration to applicate had EPA Administration to applicate the application to applicate the application to applicate the application to appli	Alley and scountiely of a tribuns screet and in grants of Occasers. And or (b) (ff i am a tribuns a tribu	described show calcurate government of the state of the s	n by the proper of medial regulations mention) in true.	lipping name. If export st	a, and on the spends and i	subset pad an on Prin	114
18. GENERATON MOTTER marked and bibliothysis Exporter, I confty that the learning that the wester of Generatoric Colleges Philips 18. International Dispression Transporter Advandances Transporter Advandances Transporter & Philips Transporter	oere cientercatrio arbei and are in all a contente of the con indication interacer indication interacer in arbeit pod filiam in arbeit	Hit I havely declare that the contents of the proper condition for thempert a degree of contents of the proper condition for thempert a degree of contents of the declare of the office indeedlood in 40 GPR 202.27(t) (I'll arms in the condition of the condition o	his configurated concerning to applicate had EPA Administration to applicate had EPA Administration to applicate had EPA Administration to applicate the application to applicate the application to applicate the application to appli	Alley and scountiely of a tribuns screet and in grants of Occasers. And or (b) (ff i am a tribuns a tribu	described show calcurate government of the state of the s	a by the proper of medial regulations in true.	lipping name. If export st	a, and on the spends and i	subset pad an on Prin	114
18. GENERATON SHOPPER marked and tabularities Exporter, I certify that the Learning that the weath and Generator to Color that the weath and Generator to Color that the Color than the Co	OPP CENTRACION OF THE CONTROL OF THE	Hit I havely declare that the contents of the proper condition for thempert a degree of contents of the proper condition for thempert a degree of contents of the declare of the office indeedlood in 40 GPR 202.27(t) (I'll arms in the condition of the condition o	his configurated concerning to applicate had EPA Administration to applicate had EPA Administration to applicate had EPA Administration to applicate the application to applicate the application to applicate the application to appli	Alley and scountiely of a tribuns screet and in grants of Occasers. And or (b) (ff i am a tribuns a tribu	described show calcurate government of the state of the s	a by the proper of medial regulations in true.	lipping name. If export st	a, and on the spending of the	Day Pad Ra	1114 114 114
18. GENERATON SHOPPER marked and tabularities Exporter, I certify that the Learning that the weath and Generator to Color that the weath and Generator to Color that the Color than the Co	OPP CENTRACION OF THE CONTROL OF THE	Hit I havely declare that the contents of the proper condition for thempert a degree of contents of the proper condition for thempert a degree of contents of the declare of the office indeedlood in 40 GPR 202.27(t) (I'll arms in the condition of the condition o	his configurated concerning to applicate had EPA Administration to applicate had EPA Administration to applicate had EPA Administration to applicate the application to applicate the application to applicate the application to appli	Alley and scountiely of a tribuns screet and in grants of Occasers. And or (b) (ff i am a tribuns a tribu	described show calcurate government of the state of the s	a by the proper of medial regulations in true.	lipping name. If export st	a, and on the spending of the	subset pad an on Prin	1114 114 114
18. GENERATON SHOPPER maked and labeled place Exporter, I certify that the Learning	oere citerroración orded, and are in all a contente of the con- indicarion statument indicarion statument indicarion statument indicarion statument indicarion statument indicarion statument indicarion indicari	His I havely decking that the contents of the proper condition for thempert and growest condition for thempert and growest conditions to the factor of the office industrial in 40 GPR 202.27(t) (I'll arms to Deckin thempert in the condition in 40 GPR 202.27(t) (I'll arms to Deckin thempert in the condition in 40 GPR 202.27(t) (I'll arms to Deckin thempert in the condition in the	Page configuration of the coording to applicate the EPA Activation of the Eppert Brain U.S. Expert Bra	Alley and ecountiely of a tribunctional and to the tribunctional and in grant of Occasion. Not or (b) (if i are a tribunctional and in	described stormer colored government of the	a by the proper of medial regulations in true.	lipping name. If export st	a, and on the spending of the	Day Pad Ra	1114 114 114
18. GENERATON MOTTER marked and bibliothysis Exporter, I confty that the leastly that the wester of General Published Fished Fig. 18. International Bibliometria Transporter Advandadgment Transporter Advandadgment Transporter & Principal Fig. 18. Observancy 18. Observancy Indication Sp. 18. Observancy 18. Discrepancy Indication Sp. 18. Observancy 18. Discrepancy 18. Discrepanc	oere citerroration and a red in all a contents of the consistency selection selection selections of the consistency selection selections of the consistency of the co	Hit I havely declare that the contents of the proper condition for thempert a degree of contents of the proper condition for thempert a degree of contents of the declare of the office indeedlood in 40 GPR 202.27(t) (I'll arms in the condition of the condition o	Page configuration of the coording to applicate the EPA Activation of the Eppert Brain U.S. Expert Bra	Alley and ecountiely of a tribunctional and to the tribunctional and in grant of Occasion. Not or (b) (if i are a tribunctional and in	described stormer colored government of the	a by the proper of medial regulations in true.	lipping name. If export st	a, and on the spending of the	Day Pad Ra	1114 114 114
18. GENERATON BOTTER marked and bibliothylese Exporter, I confty that the wester of Generator bibliothyle Fished; 18. International Bibliothyle Transporter algorithm (for exporter) Transporter al	OPP CENTRALITY CAPTO OF THE CONTROL	His I hereby decking that the contents of the proper condition for themperi a degree of condition for themperi a degree of condition to the tenns of the office indection in 60 GPR 202.27(1) (21 am a final condition in 60 GPR 202.27(1) (21 am a fi	Page configuration of the coording to applicate the depotent of the configuration of the coordinate of	Ally and ecountiely is interestional and in grant of Consort. And or (b) (f) are a to part of the Consort. Port of the Consort. Port of the Consort. Residue Manifest Reference Manifest Reference and recycling systems	described stormer colored government of the	a by the proper of medial regulations in true.	lipping name. If export st	a, and on the spending of the	Day Pad Ra	1114 114 114
18. GENERATION SIGNIFIES marked and bibliothysis Exporter, I confty that the wester of Generator Editor's Pictury 18. International Bibliomeria Transporter algorithm (for exporter algorithm (for exporter algorithm) 17. Transporter Advancingment Transporter algorithm (for exporter algorithm) 18. Observatory Production Sp 18. Observatory Indication Sp 18. Observatory	OPP CENTRALITY CAPTO OF THE CONTROL	His I havely decking that the contents of the proper condition for thempert and growest condition for thempert and growest conditions to the factor of the office industrial in 40 GPR 202.27(t) (I'll arms to Deckin thempert in the condition in 40 GPR 202.27(t) (I'll arms to Deckin thempert in the condition in 40 GPR 202.27(t) (I'll arms to Deckin thempert in the condition in the	Page configuration of the coording to applicate the depotent of the configuration of the coordinate of	Ally and ecountiely is interestional and in grant of Consort. And or (b) (f) are a to part of the Consort. Port of the Consort. Port of the Consort. Residue Manifest Reference Manifest Reference and recycling systems	described stormer colored government of the	a by the proper of medial regulations in true.	lipping name. If export st	a, and on the spending of the	Day Pad Ra	1114 114 114
18. GENERATON BOTTER marked and bibliothylese Exporter, I confty that the wester of Generator bibliothyle Fished; 18. International Bibliothyle Transporter algorithm (for exporter) Transporter al	OPP CENTRALITY CAPTO OF THE CONTROL	His I hereby decking that the contents of the proper condition for themperi a degree of condition for themperi a degree of condition to the tenns of the office indection in 60 GPR 202.27(1) (21 am a final condition in 60 GPR 202.27(1) (21 am a fi	Page configuration of the coording to applicate the depotent of the configuration of the coordinate of	Ally and ecountiely is interestional and in grant of Consort. And or (b) (f) are a to part of the Consort. Port of the Consort. Port of the Consort. Residue Manifest Reference Manifest Reference and recycling systems	described stormer colored government of the	a by the proper of medial regulations in true.	lipping name. If export st	a, and on the spending of the	Day Pad Ra	1114 114 114
18. GENERATION SIGNIFIES marked and bibliothysis Exporter, I confty that the wester of Generator Editor's Pictury 18. International Bibliomeria Transporter algorithm (for exporter algorithm (for exporter algorithm) 17. Transporter Advancingment Transporter algorithm (for exporter algorithm) 18. Observatory Production Sp 18. Observatory Indication Sp 18. Observatory	ore control control and a red in all a control and are in all a control and are in all a control and a red in a red in a control and a c	This I have by decking that the contents of the proper condition for themper's ingressed to proper condition for themper's agreement condition to the learnes of the office indendition in 40 CFR 2502.27(1) (If I am a like the condition in 40 CFR 2502.27(1) (If I	Abo consignment or coording to applicate the EPA Actinosistic target question the EPA Actinosistic target question to the Export from U.S. Export from U.S. Signal Signal Signal Signal Signal Signal Signal	Ally and ecountiely is interestional and in grant of Consort. And or (b) (f) are a to part of the Consort. Port of the Consort. Port of the Consort. Residue Manifest Reference Manifest Reference and recycling systems	described storm of the control of th	Parket Re U.S. EPA 151	popular carro	a, and on do	Saffred pand for Print P	114





CWM CHEMICAL SERVICES, LLC

1550 Balmer Road Model City, NY 14107 716 286 1550 716 286 0211 Fax

ULU : 0 2014

Clean Venture/Cycle Chem

CYCLE CHEM INC ATTN: JIM BUTLER NJD002200046 217 S 1ST ST ELIZABETH NJ 07206-1502

CERTIFICATE OF DISPOSAL

CWM CHEMICAL SERVICES, L.L.C., EPA ID: NYD049836679, has received waste material from CYCLE CHRM INC on 11/06/14 as described on Shipping Document number 012353723JJK Sequence number 01. CWM CHEMICAL SERVICES, L.L.C. hereby certifies that the above described material was landfilled in accordance with the 40 CFR part 761 as it pertains to the land disposal of polychlorinated biphenyl contaminated materials.

Profile Number: CL3851

CWM Tracking ID: 8166662401

CVM Unit #: 1*0 thru 11*0

Disposal Date: 12/05/14

solid drum

Under civil and criminal penalties of law for the making or submission of false or fraudulent statements or representations (18 U.S.C 1001 and 15 U.S.C. 2615) I certify that the information contained in or accompanying this document is true accurate and complete. As to the identified section(s) of this document for which I cannot personally varify truth and accuracy, I certify as the company official having supervisory responsibility for the persons who, acting under my direct instructions, made the verification that this information is true accurate and complete.

MICHAEL D MAHAR DISTRICT MANAGER

Certificate # 373967

12/09/14

For questions please call our Customer Service Dept. at (800) 843-3604

Lone Lin RMU 1, brie location 425-13





CWM CHEMICAL SERVICES, LLC

1550 Balmer Road Model City, NY 14107 716 286 1550 716 286 0211 Fax

HECENTED

DEC - 8 2014

CYCLE CHEM INC ATTN: JIM BUTLER NJD002200046 217 S 1ST ST ELIZABETH NJ 07206-1502 Clean Venture/Cycle Chem

CERTIFICATE OF TREATMENT

CMM CHEMICAL SERVICES, L.L.C. located in MODEL CITY, NY has received waste material from CYCLE CHEM INC on 11/26/14 as described on Shipping Document Number 012353748JJK Sequence Number 01. CPM CHEMICAL SERVICES, L.L.C. hereby certifies that the above described material was treated in accordance with the CMM TSCA Approval Letter issued under 40CFR Part 761 as it pertains to the management of polychlorinated biphenyl contaminated materials. The resulting treated effluent is discharged under the CWM SPDES permit.

Profile Number: CV9478

CMM Tracking ID: 8166699201

CWM Unit #: 1*0

Disposal Date: 11/26/14

16ml Orum

Under civil and criminal penalties of law for the making or submission of false or fraudulent statements or representations (18 U.S.C 1001 and 15 U.S.C. 2615) I certify that the information contained in or accompanying this document is true accurate and complete. As to the identified section(s) of this document for which I cannot personally verify truth and accuracy, I certify as the company official having supervisory responsibility for the persons who, againg under my direct instructions, made the veriffication that this information is true accurate and complete.

MICHAEL D MAHAR DISTRICT MANAGER Certificate # 373712 12/01/14

For questions please call our Customer Service Dept. at (800) 843-3604



TULLY TOWN LANDETLL

CHEST

GREEK, 1000 New Ford Mill Road

Original

Ticket# 1494517

Morrisville, PA, 19067

Ph: 215-736-1700 THE PERSON MOST RESPONSIBLE FOR YOUR SAFETY IS YOU!

Customer: CycleChemNJ Cycle Chem Inc NJ 217 S 1ST ST

Linker deliving the Orecton

Carrier: MORALES TRUCKING Morales Trucking Phonales Trucking

TKt Date 19/13/2014

Pay Type Credit Account

Billing# 0001587

Acc Tons 19.74

Man Tk# FO#

Vehicle# Trailer#

Licensell Driver

Haul Thir Dest

Generator 132-Cycle Chem Cycle Chem

EPA ID

Manifest 2618837

frailer#

Profile# 5443270 (T-666 Decharacterized Walte)

Volume

Waste K Obl

Origin Hy County NJ/NEW JERSET (State o. W.

WEW JERSEY

Date line Scal : Grenalinin. In 10/13/2014 08:21 TRRF LAB INDO DR LICTYDE. OUR 18/13-2014 10:05 TRP: DETERM AND 17/40. taon Type Incound لكانا بسيانيد ີບາດລວ

Tare Hei

uni wikhu 27169 12 33900 11

(1) TONS

19...4

waste management

Comments

Produ	acti	(L1)%	Qty	ויונגט	liate	fax	Amount	Origan
	Declassified SPW-T EVF L-Standard Env RCR-P-Regulatory C	100	19. 74	funs Luxd %				NU 113 NU

Gre N2 10-13-14

Marginia lara

Total Tax Yotal Ticket

Di Lvei:

403-WMPA

CUSTOMER'S COPY

a